THE WORLD DATA BANK

Definition - A digital file of world coastlines, international bound-aries and selected rivers, lakes, and cities that can be recalled for automatic plotting in varying scales and projections.

Assumptions

1. The system should be designed to keep processing time to a minimum.

2. Points closer together than the minimum plottable increment can be suppressed by the plotter or the computer.

Design

1. All planimetry will be defined by sets of coordinate points arranged in line segments.

2. The line segments will be randomly numbered and filed by con-tinents.

3. All line segments will terminate at international boundaries.

4. Offshore islands will be associated with continents.

5. Line segments will be accessed either by direct request or look up tables arranged by continent, country, scale family, and type of line segment.

6. Scale families will determine selection of cities, lakes, islands, and rivers. An example of a possible scale family arrange-ment is as follows:

Scale Family	Cities	Lakes	Islands	Rivers
1:15,000,000 and larger	all	all	all	all
1:25,000,000 - 1:15,000,000	world capitals & major	major & middle rank	major & middle rank	major & middle rank
1:25,000,000 and smaller	major	major	major	major